

SECTION II—CLAIMS

1.-28. (Canceled)

29. (Currently Amended) A micro resonator comprising:

an oscillator member comprising a vibrating portion supported by a
~~disposed upon an oscillator pedestal; and~~

~~an ablative structure positioned on the oscillator member, the~~
~~ablative structure being separated from the oscillator member by a~~
~~protective pad.~~

an ablative structure disposed on the vibrating portion, the ablative
structure comprising a pattern of spaced-apart stacks, each spaced-apart
stack being separated from the oscillator member by a protective pad.

30. (Previously Presented) The micro resonator according to claim 29 wherein the protective pad is made from aluminum, an aluminum alloy, silver, a silver alloy, indium, or an indium alloy.

31. (Canceled)

32. (Previously Presented) The micro resonator according to claim 29 wherein the protective pad is made from a refractory metal, a refractory metal oxide, a refractory metal silicide, a refractory metal nitride, or combinations thereof.

33. (Previously Presented) The micro resonator according to claim 29 wherein the oscillator member is made of a material selected from polysilicon, a metal, a metal nitride, a metal oxide, a metal silicide, or combinations thereof.

34. (Currently Amended) A microresonator system comprising:

a microresonator having an input and an output and comprising:

an oscillator member comprising a vibrating portion
suspended above a substrate by ~~an oscillator~~ a pedestal,
a drive electrode positioned between the ~~oscillator member~~
vibrating portion and the substrate,

~~an ablative structure positioned on the oscillator member, the
ablative structure being separated from the oscillator member by a
protective pad;~~

an ablative structure disposed on the vibrating portion, the
ablative structure comprising a pattern of spaced-apart stacks, each
spaced-apart stack being separated from the oscillator member by a
protective pad;

an input circuit connected to the input; and

an output circuit connected to the output.

35. (Previously Presented) The micro resonator according to claim 34 wherein the protective pad is made from aluminum, an aluminum alloy, silver, a silver alloy, indium, or an indium alloy.
36. (Canceled)
37. (Previously Presented) The micro resonator according to claim 34 wherein the protective pad is made from a refractory metal, a refractory metal oxide, a refractory metal silicide, a refractory metal nitride, or combinations thereof.
38. (Previously Presented) The micro resonator according to claim 34 wherein the oscillator member is made of a material selected from polysilicon, a metal, a metal nitride, a metal oxide, a metal silicide, or combinations thereof.